



**CITY OF LODI
COUNCIL COMMUNICATION**

AGENDA TITLE: Adopt Resolution Authorizing City Manager to Execute Five-Year Contract for Public Works 800 MHz Radio Transmission Service with LaRue Communications, Inc., of Stockton (\$14,580 Annually)

MEETING DATE: April 6, 2005

PREPARED BY Public Works Director

RECOMMENDED ACTION: That the City Council authorize the City Manager to execute a five-year contract for Public Works 800 MHz radio transmission service with LaRue Communications, Inc., of Stockton (\$14,580 annually).

BACKGROUND INFORMATION: The City of Lodi Public Works Department has an 800 MHz two-way radio system that is used in the day-to-day operations of Streets, Water, Wastewater, Fleet and Facilities, and Engineering Divisions. Previously, this radio system was also shared with Lodi Transit System. The Public Works Department had contracted with Lagorio Communications to provide multiple "trunked" radio channels which allow multiple simultaneous conversations. In December 2000, Lagorio Communications sold their interests in the 800 MHz transmission system to Nextel Communications. Subsequently, Nextel Communications terminated the contract with the City in December 2001 because they had other uses for their 800 MHz radio frequencies. This immediately created a bottleneck for Public Works and Transit System radio communications. Due to the loss of the separate channels the repeater supplied, this increased radio traffic on the single channel to a level that made the use of the existing system unacceptable. Because of this, Transit obtained a new radio system. At that time, staff decided to attempt to operate the remaining Public Works Divisions without the repeater using the existing equipment. This also created problems with the system and serious safety concerns.

The following items are the major shortcomings of the current system:

- Limited Range: Radios no longer reach Sacramento or Stockton. These areas are frequented for picking up materials, such as asphalt and construction supplies, and for equipment repair.
- No Vehicle Alert Capabilities: This makes it difficult to reach crews during emergency situations. Vehicle alerts sound the horn to let employees know they are needed when they are not in the vehicle.
- Poor Transmission and Reception: Radios have excessive static and poor reception.
- Loss of Multiple-Channel Capability: This causes too much radio traffic, which is a safety issue when performing some of the maintenance procedures.

Public Works and Information Systems staff obtained three proposals from the local providers that have towers that serve our area. **Staff** recommends LaRue Communications due to the overall cost of

APPROVED: 
Blair King, City Manager

operation, the fact there is virtually no equipment to buy and no installation cost, and the company's reputation. The proposals were based on 77 radios. The updated radio inventory resulted in a total of 81 units. This results in a monthly fee for repeater use of \$810 and a monthly fee for a service agreement of \$405 for an annual **cost** of \$14,580.

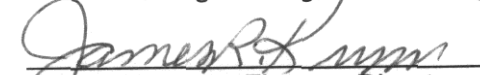
COST OPTIONS SUMMARY	2005-2006	2006-2007
Option 1 Delta Wireless		
Equipment and installation	\$57,780	
Annual access cost based on 77 units at \$10 each per month	\$9,240	\$9,240
Total	\$67,020	\$9,240
Option 2 Crystal Communication		
Equipment and installation	\$77,200	
Annual access cost based on 77 units at \$18.90 each per month	\$17,463	\$17,463
Total	\$94,663	\$17,463
Option 3 LaRue Communications		
Equipment and installation	No charge	
Annual access cost based on 77 units at \$10 each per month	\$9,240	\$9,240
Annual service agreement based on 77 units at \$5 each per month	\$4,620	\$4,620
Total	\$13,860	\$13,860


FISCAL IMPACT:

Annual cost for Public Works: \$14,580 to be divided among Streets, Water, Wastewater, Fleet and Facilities, Engineering, and White Slough

FUNDING AVAILABLE:

Operating Accounts in Public Works (Streets, Water, Wastewater, Fleet and Facilities, Engineering, White Slough)


James Krueger, Finance Director


Richard C. Prima, Jr.
Public Works Director

Curt Juan, Assistant Street Superintendent

RCP/CJ/pmf

cc: Steve Mann, ISD Manager

RESOLUTION NO. 2005-62

A RESOLUTION OF THE LODI CITY COUNCIL
AUTHORIZING THE CITY MANAGER TO EXECUTE A
FIVE-YEAR CONTRACT FOR PUBLIC WORKS 800 MHZ
RADIO TRANSMISSION SERVICE WITH LARUE
COMMUNICATIONS, INC.

WHEREAS, in answer to proposals by staff for Public Works 800 MHz radio transmission service, three proposals were received from local providers that have towers that serve the Lodi area: and

WHEREAS, said proposals have been compared, checked, and tabulated and a report thereof filed with the City Manager as follows:

COST OPTIONS SUMMARY	2005-2006	2006-2007
Option 1 Delta Wireless		
Equipment and installation	\$57,780	
Annual access cost based on 77 units at \$10 each per month	\$9,240	\$9,240
Total	\$67,020	\$9,240
OPTION 2 CRYSTAL COMMUNICATION		
Equipment and installation	\$77,200	
Annual access cost based on 77 units at \$18.90 each per month	\$17,463	\$17,463
Total	\$94,663	\$17,463
Option 3 LaRue Communications		
Equipment and installation	No charge	
Annual access cost based on 77 units at \$10 each per month	\$9,240	\$9,240
Annual service agreement based on 77 units at \$5 each per month	\$4,620	\$4,620
Total	\$13,860	\$13,860

WHEREAS, staff recommends LaRue Communications due to the overall cost of operation, the fact there is virtually no equipment to buy and no installation cost, and the company's reputation. The proposals were based on 77 radios. The updated radio inventory resulted *in* a total of 81 units. This results in a monthly fee for repeater use *of* \$810 and a monthly fee for a service agreement of \$405 for an annual cost of \$14,580; and

WHEREAS, staff further recommends that the City Manager be authorized to execute a five-year contract for Public Works 800 MHz radio transmission service with LaRue Communications, Inc., of Stockton, California.

NOW, THEREFORE, BE IT RESOLVED by the Lodi City Council that the City Manager is hereby authorized and directed to execute a five-year contract for Public Works 800 MHz radio transmission service with LaRue Communications, Inc., of Stockton, California, in the amount of \$14,580 annually.

Dated: April 6, 2005

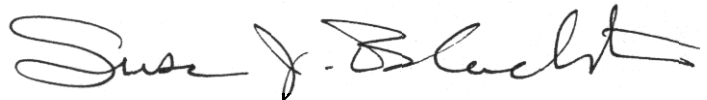
I hereby certify that Resolution No. 2005-62 was passed and adopted by the City Council of the City of Lodi in a regular meeting held April 6, 2005, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Johnson, Mounce, and Mayor Beckman

NOES: COUNCIL MEMBERS – None

ABSENT COUNCIL MEMBERS – Hitchcock

ABSTAIN: COUNCIL MEMBERS – None



SUSAN J. BLACKSTON
City Clerk